

10/511756
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SEQUENCE LISTING

<110> B.R.A.H.M.S Aktiengesellschaft

<120> Verwendungen der Carbamoylphosphat Synthetase 1 (CPS 1)
und ihrer Fragmente für die Diagnose von
Entzündungserkrankungen und Sepsis

<130> 3695PCT AS

<140>

<141>

<150> 02008841.5 EP

<151> 2002-04-19

<160> 8

<170> PatentIn Ver. 2.1

<210> 1

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<212> PRT

<213> Primat (Pavian)

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<213> Primat (Pavian)

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Asn Gln Pro Val Leu Asn Ile
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<211> 4

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Thr Ala His Ile
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Arg Pro Gly Ile Arg Leu Leu Ser Val Lys Ala Gln Thr Ala His Ile
35 40 45

Val Leu Glu Asp Gly Thr Lys Met Lys Gly Tyr Ser Phe Gly His Pro
50 55 60

Ser Ser Val Ala Gly Glu Val Val Phe Asn Thr Gly Leu Gly Gly Tyr
65 70 75 80

Pro Glu Ala Ile Thr Asp Pro Ala Tyr Lys Gly Gln Ile Leu Thr Met
85 90 95

Ala Asn Pro Ile Ile Gly Asn Gly Gly Ala Pro Asp Thr Thr Ala Leu
100 105 110

Asp Glu Leu Gly Leu Ser Lys Tyr Leu Glu Ser Asn Gly Ile Lys Val
115 120 125

Ser Gly Leu Leu Val Leu Asp Tyr Ser Lys Asp Tyr Asn His Trp Leu
130 135 140

Ala Thr Lys Ser Leu Gly Gln Trp Leu Gln Glu Glu Lys Val Pro Ala
145 150 155 160

Ile Tyr Gly Val Asp Thr Arg Met Leu Thr Lys Ile Ile Arg Asp Lys
165 170 175

Gly Thr Met Leu Gly Lys Ile Glu Phe Glu Gly Gln Pro Val Asp Phe
180 185 190

Val Asp Pro Asn Lys Gln Asn Leu Ile Ala Glu Val Ser Thr Lys Asp
195 200 205

Val Lys Val Tyr Gly Lys Gly Asn Pro Thr Lys Val Val Ala Val Asp
210 215 220

Cys Gly Ile Lys Asn Asn Val Ile Arg Leu Leu Val Lys Arg Gly Ala
225 230 235 240

Glu Val His Leu Val Pro Trp Asn His Asp Phe Thr Lys Met Glu Tyr
245 250 255

Asp Gly Ile Leu Ile Ala Gly Gly Pro Gly Asn Pro Ala Leu Ala Glu
260 265 270

Pro Leu Ile Gln Asn Val Arg Lys Ile Leu Glu Ser Asp Arg Lys Glu
 275 280 285
 Pro Leu Phe Gly Ile Ser Thr Gly Asn Leu Ile Thr Gly Leu Ala Ala
 290 295 300
 Gly Ala Lys Thr Tyr Lys Met Ser Met Ala Asn Arg Gly Gln Asn Gln
 305 310 315 320
 Pro Val Leu Asn Ile Thr Asn Lys Gln Ala Phe Ile Thr Ala Gln Asn
 325 330 335
 His Gly Tyr Ala Leu Asp Asn Thr Leu Pro Ala Gly Trp Lys Pro Leu
 340 345 350
 Phe Val Asn Val Asn Asp Gln Thr Asn Glu Gly Ile Met His Glu Ser
 355 360 365
 Lys Pro Phe Phe Ala Val Gln Phe His Pro Glu Val Thr Pro Gly Pro
 370 375 380
 Ile Asp Thr Glu Tyr Leu Phe Asp Ser Phe Phe Ser Leu Ile Lys Lys
 385 390 395 400
 Gly Lys Ala Thr Thr Ile Thr Ser Val Leu Pro Lys Pro Ala Leu Val
 405 410 415
 Ala Ser Arg Val Glu Val Ser Lys Val Leu Ile Leu Gly Ser Gly Gly
 420 425 430
 Leu Ser Ile Gly Gln Ala Gly Glu Phe Asp Tyr Ser Gly Ser Gln Ala
 435 440 445
 Val Lys Ala Met Lys Glu Glu Asn Val Lys Thr Val Leu Met Asn Pro
 450 455 460
 Asn Ile Ala Ser Val Gln Thr Asn Glu Val Gly Leu Lys Gln Ala Asp
 465 470 475 480
 Thr Val Tyr Phe Leu Pro Ile Thr Pro Gln Phe Val Thr Glu Val Ile
 485 490 495
 Lys Ala Glu Gln Pro Asp Gly Leu Ile Leu Gly Met Gly Gly Gln Thr
 500 505 510
 Ala Leu Asn Cys Gly Val Glu Leu Phe Lys Arg Gly Val Leu Lys Glu
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 Tyr Gly Val Lys Val Leu Gly Thr Ser Val Glu Ser Ile Met Ala Thr
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 Glu Asp Arg Gln Leu Phe Ser Asp Lys Leu Asn Glu Ile Asn Glu Lys
 545 550 555 560
 Ile Ala Pro Ser Phe Ala Val Glu Ser Ile Glu Asp Ala Leu Lys Ala
 565 570 575
 Ala Asp Thr Ile Gly Tyr Pro Val Met Ile Arg Ser Ala Tyr Ala Leu
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 Gly Gly Leu Gly Ser Gly Ile Cys Pro Asn Arg Glu Thr Leu Met Asp
 595 600 605
 Leu Ser Thr Lys Ala Phe Ala Met Thr Asn Gln Ile Leu Val Glu Lys
 610 615 620

Ser Val Thr Gly Trp Lys Glu Ile Glu Tyr Glu Val Val Arg Asp Ala
 625 630 635 640
 Asp Asp Asn Cys Val Thr Val Cys Asn Met Glu Asn Val Asp Ala Met
 645 650 655
 Gly Val His Thr Gly Asp Ser Val Val Val Ala Pro Ala Gln Thr Leu
 660 665 670
 Ser Asn Ala Glu Phe Gln Met Leu Arg Arg Thr Ser Ile Asn Val Val
 675 680 685
 Arg His Leu Gly Ile Val Gly Glu Cys Asn Ile Gln Phe Ala Leu His
 690 695 700
 Pro Thr Ser Met Glu Tyr Cys Ile Ile Glu Val Asn Ala Arg Leu Ser
 705 710 715 720
 Arg Ser Ser Ala Leu Ala Ser Lys Ala Thr Gly Tyr Pro Leu Ala Phe
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 Ile Ala Ala Lys Ile Ala Leu Gly Ile Pro Leu Pro Glu Ile Lys Asn
 740 745 750
 Val Val Ser Gly Lys Thr Ser Ala Cys Phe Glu Pro Ser Leu Asp Tyr
 755 760 765
 Met Val Thr Lys Ile Pro Arg Trp Asp Leu Asp Arg Phe His Gly Thr
 770 775 780
 Ser Ser Arg Ile Gly Ser Ser Met Lys Ser Val Gly Glu Val Met Ala
 785 790 795 800
 Ile Gly Arg Thr Phe Glu Glu Ser Phe Gln Lys Ala Leu Arg Met Cys
 805 810 815
 His Pro Ser Ile Glu Gly Phe Thr Pro Arg Leu Pro Met Asn Lys Glu
 820 825 830
 Trp Pro Ser Asn Leu Asp Leu Arg Lys Glu Leu Ser Glu Pro Ser Ser
 835 840 845
 Thr Arg Ile Tyr Ala Ile Ala Lys Ala Ile Asp Asp Asn Met Ser Leu
 850 855 860
 Asp Glu Ile Glu Lys Leu Thr Tyr Ile Asp Lys Trp Phe Leu Tyr Lys
 865 870 875 880
 Met Arg Asp Ile Leu Asn Met Glu Lys Thr Leu Lys Gly Leu Asn Ser
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 Glu Ser Met Thr Glu Glu Thr Leu Lys Arg Ala Lys Glu Ile Gly Phe
 900 905 910
 Ser Asp Lys Gln Ile Ser Lys Cys Leu Gly Leu Thr Glu Ala Gln Thr
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 Arg Glu Leu Arg Leu Lys Lys Asn Ile His Pro Trp Val Lys Gln Ile
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 Asp Thr Leu Ala Ala Glu Tyr Pro Ser Val Thr Asn Tyr Leu Tyr Val
 945 950 955 960
 Thr Tyr Asn Gly Gln Glu His Asp Val Asn Phe Asp Asp His Gly Met
 965 970 975

Met Val Leu Gly Cys Gly Pro Tyr His Ile Gly Ser Ser Val Glu Phe
980 985 990

Asp Trp Cys Ala Val Ser Ser Ile Arg Thr Leu Arg Gln Leu Gly Lys
995 1000 1005

Lys Thr Val Val Val Asn Cys Asn Pro Glu Thr Val Ser Thr Asp Phe
1010 1015 1020

Asp Glu Cys Asp Lys Leu Tyr Phe Glu Glu Leu Ser Leu Glu Arg Ile
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Leu Asp Ile Tyr His Gln Glu Ala Cys Gly Gly Cys Ile Ile Ser Val
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Gly Gly Gln Ile Pro Asn Asn Leu Ala Val Pro Leu Tyr Lys Asn Gly
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Val Lys Ile Met Gly Thr Ser Pro Leu Gln Ile Asp Arg Ala Glu Asp
1075 1080 1085

Arg Ser Ile Phe Ser Ala Val Leu Asp Glu Leu Lys Val Ala Gln Ala
1090 1095 1100

Pro Trp Lys Ala Val Asn Thr Leu Asn Glu Ala Leu Glu Phe Ala Lys
1105 1110 1115 1120

Ser Val Asp Tyr Pro Cys Leu Leu Arg Pro Ser Tyr Val Leu Ser Gly
1125 1130 1135

Ser Ala Met Asn Val Val Phe Ser Glu Asp Glu Met Lys Lys Phe Leu
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Glu Glu Ala Thr Arg Val Ser Gln Glu His Pro Val Val Leu Thr Lys
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Phe Val Glu Gly Ala Arg Glu Val Glu Met Asp Ala Val Gly Lys Asp
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Gly Arg Val Ile Ser His Ala Ile Ser Glu His Val Glu Asp Ala Gly
1185 1190 1195 1200

Val His Ser Gly Asp Ala Thr Leu Met Leu Pro Thr Gln Thr Ile Ser
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Gln Gly Ala Ile Glu Lys Val Lys Asp Ala Thr Arg Lys Ile Ala Lys
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Ala Phe Ala Ile Ser Gly Pro Phe Asn Val Gln Phe Leu Val Lys Gly
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Asn Asp Val Leu Val Ile Glu Cys Asn Leu Arg Ala Ser Arg Ser Phe
1250 1255 1260

Pro Phe Val Ser Lys Thr Leu Gly Val Asp Phe Ile Asp Val Ala Thr
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Lys Val Met Ile Gly Glu Asn Val Asp Glu Lys His Leu Pro Thr Leu
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Asp His Pro Ile Ile Pro Ala Asp Tyr Val Ala Ile Lys Ala Pro Met
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Phe Ser Trp Pro Arg Leu Arg Asp Ala Asp Pro Ile Leu Arg Cys Glu
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Met Ala Ser Thr Gly Glu Val Ala Cys Phe Gly Glu Gly Ile His Thr
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Ala Phe Leu Lys Ala Met Leu Ser Thr Gly Phe Lys Ile Pro Gln Lys
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Gly Ile Leu Ile Gly Ile Gln Gln Ser Phe Arg Pro Arg Phe Leu Gly
 1365 1370 1375

Val Ala Glu Gln Leu His Asn Glu Gly Phe Lys Leu Phe Ala Thr Glu
 1380 1385 1390

Ala Thr Ser Asp Trp Leu Asn Ala Asn Asn Val Pro Ala Thr Pro Val
 1395 1400 1405

Ala Trp Pro Ser Gln Glu Gly Gln Asn Pro Ser Leu Ser Ser Ile Arg
 1410 1415 1420

Lys Leu Ile Arg Asp Gly Ser Ile Asp Leu Val Ile Asn Leu Pro Asn
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Asn Asn Thr Lys Phe Val His Asp Asn Tyr Val Ile Arg Arg Thr Ala
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Val Asp Ser Gly Ile Pro Leu Leu Thr Asn Phe Gln Val Thr Lys Leu
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Phe Ala Glu Ala Val Gln Lys Ser Arg Lys Val Asp Ser Lys Ser Leu
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Phe His Tyr Arg Gln Tyr Ser Ala Gly Lys Ala Ala
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Asn

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 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
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